



Cabling: The Complete Guide to Copper and Fiber-Optic Networking

By Andrew Oliviero, Bill Woodward



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Develop the skills you need to design and build a reliable, cost-effective cabling infrastructure

Fully updated for the growing demand of fiber optics for large-scale communications networks and telecommunication standards, this new edition is organized into two parts. Part I covers LAN Networks and Cabling Systems offers comprehensive coverage on current cabling methodologies and is updated to the latest industry standards. Part II addresses Fiber-Optic Cabling and Components probes deeper into fiber optics, and can be used to prepare for the Fiber Optics Installer (FOI) and/or Fiber Optics Technician (FOT) certifications, two of the Electronic Technician's Association's leading certifications.

- Explains why cutting corners is a bad idea
- Walks you through the obstacles to high-speed data transfer
- Encourages you to follow the golden rules of cabling

This new edition is the only book you need for current cabling methodologies and standards.

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Editorial Review

From the Back Cover

THE COMPLETE CABLING GUIDE —UPDATED WITH THE LATEST IN FIBER-OPTICS TECHNOLOGY

Poor cabling accounts for nearly 70% of network problems. *Cabling: The Complete Guide to Copper and Fiber-Optic Networking, 5th Edition* is the industry-leading guide to helping you develop the skills you need to design and build reliable, cost-effective cabling infrastructure. This fifth edition has been fully updated with the latest industry standards and a deeper look into fiber-optics, helping professionals meet the growing demands of large-scale communities that require fiber-optics networks rather than traditional copper.

- **An introduction to data cabling**
- Cabling specifications and standards
- Choosing the correct cabling
- Cable system components and infrastructure constraints
- Network equipment
- Fiber-optic, copper, and wireless media
- Design considerations for fiber-optic systems
- Principles of fiber-optic transmission
- Passive components, multiplexers, and optical networks
- Testing equipment, link/cable testing, troubleshooting, and restoration

This comprehensive resource is packed with expert advice and best practices for implementing data center, local, access, metropolitan and wireless networks with data rates ranging from 100Mbps to 100Gbps using copper and fiber-optic cabling. This guide was written with the support of the Electronics Technicians Association (ETA) to provide authoritative coverage of the Fiber Optics Installer (FOI), Fiber Optics Technician (FOT) and Data Cabling Installer (DCI) certifications.

About the Author

Andrew Oliviero is Director of Product Line Management of optical fiber products at OFS, a supplier of optical fiber, cable apparatus and specialty products. He is involved in the development of optical fiber cabling standards in TIA, IEC, ISO, and IEEE. He was involved in the development of the ANSI /TI A-568-C standard and held the Chair position of TI A's Fiber Optic LAN Section in 2007. Oliviero holds a B.S.E and Ph.D. in Chemical Engineering from the University of Pennsylvania and the University of Massachusetts.

Bill Woodward has been working with and teaching fiber optics since 1992. He is chairman of SAE International's Aerospace Fiber Optics and Applied Photonics Committee, AS-3 and chairman of the AS-3B2 Education and Design Working Group. He has also served four terms as chairman of the Electronics Technicians Association; in addition, he is chairman of the committees responsible for the FOI, FOT and DCI certifications.

Users Review

From reader reviews:

Jackie Sneller:

The guide untitled Cabling: The Complete Guide to Copper and Fiber-Optic Networking is the guide that recommended to you to study. You can see the quality of the reserve content that will be shown to an individual. The language that creator use to explained their way of doing something is easily to understand. The author was did a lot of investigation when write the book, and so the information that they share for your requirements is absolutely accurate. You also can get the e-book of Cabling: The Complete Guide to Copper and Fiber-Optic Networking from the publisher to make you more enjoy free time.

Mildred Patton:

A lot of people always spent their own free time to vacation or go to the outside with them family members or their friend. Do you know? Many a lot of people spent they free time just watching TV, or playing video games all day long. In order to try to find a new activity that's look different you can read a new book. It is really fun to suit your needs. If you enjoy the book that you read you can spent the entire day to reading a guide. The book Cabling: The Complete Guide to Copper and Fiber-Optic Networking it is extremely good to read. There are a lot of folks that recommended this book. These folks were enjoying reading this book. When you did not have enough space to bring this book you can buy often the e-book. You can m0ore very easily to read this book from your smart phone. The price is not too expensive but this book features high quality.

Donna Nichols:

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Andrea Lampkin:

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